

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended): An installation for treating, ~~in particular for coating~~, articles, ~~especially vehicle bodies, having~~ comprising:
- a) at least one treatment zone, ~~in particular a bath containing a treatment liquid~~, into which the articles are introduced; and
 - b) a conveying means, with which the articles may be conveyed through the installation in a continuous or intermittent translational movement and which comprises:
 - at least one pair of transport carriages, which in turn comprises:
 - a first transport carriage comprising:
 - ~~ba)~~ a running gear; and
 - ~~bb)~~ at least one swivel arm, which is connected with the running gear ~~so as to be swivellable~~ about a first pivot pin and with which a first point of a supporting structure for the article to be treated is connected ~~so as to be swivellable~~ about a second pivot pin; and
- ~~characterized in that~~
- e) a second transport carriage ~~is assigned to each transport carriage~~, which likewise comprises:
 - ~~ea)~~ a running gear; and
 - ~~eb)~~ at least one swivel arm, which is connected with the running gear ~~so as to be swivellable~~ about a first pivot pin and with which a second point of the supporting structure is connected ~~so as to be swivellable~~ about a second pivot pin;
- ~~in such a way that: wherein~~
- dc) the at least one pair of ~~two~~ transport carriages comprises the following six degrees of freedom of motion:
 - a translational movement of the first transport carriage;
 - a translational movement of the second transport carriage;
 - a swivelling of the at least one swivel arm of the first transport carriage about the first pivot pin thereof;

a swivelling of the at least one swivel arm of the second transport carriage about the first pivot axis thereof;

a swivelling of the supporting structure about the second pivot pin of the first transport carriage; and

a swiveling of the supporting structure about a second pivot pin of the second transport carriage;

~~wherein; and,~~

ed) drives are provided for at least three of the above-mentioned six degrees of freedom of movement; drives are provided, and at least one of which the drives is a translational drive.

2. (currently amended): ~~An~~ The installation according to ~~of~~ claim 1, ~~characterized in that wherein~~ drives are provided for four degrees of freedom of motion, ~~wherein and~~ at least one of the drives is actuated by a control means which is compatible with the drives of the other degrees of freedom of motion.

3. (currently amended): ~~An~~ The installation according to ~~of~~ claim 2, ~~characterized in that wherein~~ both the first and second transport carriages of a the at least one pair of transport carriages comprise a translational drive.

4. (currently amended): ~~An~~ The installation according to ~~of~~ claim 2, ~~characterized in that wherein~~ one of the first or second transport carriages of a the at least one pair of transport carriages comprises a translational drive and a drive is provided ~~with which~~ varies the a spacing between the ~~two first and second transport carriages of the~~ at least one pair of transport carriages ~~may be varied.~~

5. (currently amended): ~~An~~ The installation according to ~~of~~ claim 4, ~~characterized in that wherein~~ the drive provided which changes-varies the spacing is a spindle drive.

6. (currently amended): ~~An~~ The installation according to ~~of~~ claim 1, ~~characterized in that wherein~~ all the drives for all the degrees of freedom of motion are arranged on one of the transport carriages of the at least one pair of transport carriages.

7. (currently amended): ~~An~~ The installation according to ~~of~~ claim 1, ~~characterized in that wherein~~ the drives for the degrees of freedom of motion are distributed between the ~~two first~~

and second transport carriages of the at least one pair of transport carriages.

8. (currently amended): ~~An~~ The installation according to of claim 1, ~~in which a~~ wherein the treatment zone comprises a dipping tank for electrophoretic dip coating, ~~characterized in that~~ wherein one of the first or second transport carriages of a the at least one pair of transport carriages effects a connection between ~~the one~~ a pole of a voltage source and the article to be coated, while the other of the first or second transport carriages of the at least one pair of transport carriages effects a connection between ~~the~~ an opposite pole of a voltage source and an auxiliary electrode carried inside the article to be coated.